

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A method of regulating traffic in a transport system in which vehicles travel on a line provided with a plurality of stations at which passengers can board and alight, ~~wherein thea running of the vehicles is being regulated as a function of thea passenger load on said vehicles, said load being determined by measuring the weight of passengers present in the vehicles,~~ the method comprising:

monitoring the passenger load on the vehicles by measuring a weight of the passengers in the vehicles;

detecting whether each vehicle is in an overloaded state by comparing the weight of passengers as measured with an overload threshold assigned to each vehicle; and
modifying the running of the vehicles traveling on the line by acting at each station at which an overloaded vehicle arrives to reduce a time interval between a departure of the overloaded vehicle and the departure of a preceding vehicle.

2. A method of regulating traffic in a transport system according to claim 1, wherein the weight of passengers present in the vehicles is measured by means of load sensors equipping the bogies of the vehicles.

3 - 4. (canceled).

5. A method of regulating traffic according to claim-31, wherein, when no vehicle is in thean overloaded state, the trafficrunning of the vehicles is regulated as a function of time so that the vehicles are separated by a constant time interval, thea lapse of time for which the vehicles stop in the stations also being constant.

6. A method of regulating traffic according to claim-[[4]]1, wherein, when a vehicle is in thean overloaded state at a station, thea speed of said vehicle is accelerated to thea next station so that it leaves said next station early relative to anthe initially scheduled time, the vehicle then being slowed down during its journey to thea following station so as to leave said following station at the initially scheduled time.

7. A method of regulating traffic according to claim [[4]]1, wherein, when a vehicle is in thean overloaded state at a station, atthe lapse of time for which atthe vehicle preceding the overloaded vehicle stops is increased at thea next station so that the vehicle leaves said next station late relative to anthe initially scheduled time, the speed of the vehicle then being increased during its journey to thea following station so that it leaves said following station at the initially scheduled time.